## IN THE CLAIMS

As requested by the examiners, a claims list for this application is provided below:

## Listing of Claims

Claims 1-2 are deleted, as indicated below.

- [1. A method of determining motion compensation for an input image from motion vectors between the input image and a plurality of reference images, said method comprising the steps of:
- (a) calculating a motion vector MV1 between the input image and one reference image of said plurality of reference images from a motion of at least one block unit at a second set time interval T<sub>2</sub> between the input image and said one reference image, said at least one block unit being a part of said input image and comprising a plurality of pixels;
- (b) providing a motion vector MV2 between at least two reference images of the plurality of reference images at a first set time interval  $T_1$ , which is parallel to the motion vector MV1 at the second set time interval  $T_2$  and different in magnitude from the

motion vector MV1 at the second set time interval  $\mathbf{T}_2$  by a value determined by MV1· $\mathbf{T}_1/\mathbf{T}_2$ ; and

- (c) calculating the motion compensation of the input image from both of (i) the motion vector MV1 between the input image and said one reference image and (ii) the motion vector MV2 between the at least two reference images of the plurality of reference images.]
- [2. A method of determining motion compensation for an input image from a motion vector between the input image and a plurality of reference images, said method comprising the steps of:
- (a) detecting a motion vector MV1 between the input image and one reference image R1 of said plurality of reference images at a second set time interval  $T_2$ ;
- (b) providing a motion vector MV3 between the reference image R1 and another reference image R2 of said plurality of reference images at a first set time interval  $T_1$ , said motion vector MV3 being parallel to the motion vector MV1 and different in magnitude from the motion vector MV1 by a value determined by MV1· $T_1/T_2$ ;

- (c) obtaining a motion vector MV2 between the input image and the another reference image R2 at a third set time interval T3 from a sum of the motion vector MV1 and the motion vector MV3, and calculating respective pixels corresponding to the motion vector MV1 and the motion vector MV2 from pixels of the reference image R1 and the reference image R2 corresponding to the motion vector MV1 and the motion vector MV2 or from pixels positioned peripherally of the pixels of the reference image R1 and the reference image R2; and
- (d) calculating motion-compensated pixel values from the calculated pixels of the reference images.]
- 3. (Previously Presented) A method of obtaining a motion-compensated image from a motion vector between the motion-compensated image and a plurality of reference images, said method comprising the steps of:
- (a) obtaining a motion vector MV1 between the motion-compensated image and one reference image R1 of said plurality of reference images at a second set time interval  $T_2$ ;
- (b) providing a motion vector MV3 between the reference image R1 and another reference image R2 of said plurality of reference

images at a first set time interval  $T_1$ , which is parallel to the motion vector MV1 and different in magnitude from the motion vector MV1 by a value determined by  $MV1 \cdot T_1/T_2$ ;

- MV2 between (c) obtaining motion vector motion-compensated image and said another reference image R2 at a third set time interval T3 from a [sum] combination of the motion vector MV1 and the motion vector MV3, and calculating respective [pixels] pixel values corresponding to the motion vector MV1 and the motion vector MV2 from pixels [of the reference image R1 and the reference image R2] at positions corresponding to the motion vector MV1 and the motion vector MV2 and/or from peripheral pixels [positioned peripherally of the pixels of the reference image R1 and the reference image R2] at positions corresponding to the motion vector MV1 and the motion vector MV2; and
- (d) calculating motion-compensated pixel values from the calculated [pixels of the reference images] respective pixel values calculated in step (c) to obtain the motion-compensated image.
- 4. (Previously presented) A method in accordance with claim

  3, wherein said motion vector MV1 between the motion-compensated

  image and said one reference image R1 of said plurality of

  reference images is calculated from a motion of at least one block

unit at said second set time interval, said at least one block unit being a part of said motion-compensated image and comprising a plurality of pixels.

- 5. (Previously presented) A method in accordance with claim 3, wherein step (c) comprises calculating said respective pixel values in accordance with a weighted average inversely proportional to distance from pixels of the reference image R1 and the reference image R2.
- 6. (Previously presented) A method of determining motion compensation for an input image, said method comprising the steps of:
- (a) providing a first motion vector MV1 between the input image and a reference image part r1 of one reference image R1 of a plurality of reference images at a second set time interval T2 between said input image and said one reference image R1;
- (b) calculating a second motion vector MV2 between the input image and a reference image part r2 of another reference image R2 of said plurality of reference images at a first set time interval T1 between said input image and said another reference image R2, said second motion vector MV2 being parallel to said first motion

- vector MV1 and having a magnitude satisfying the relation
  MV2=MV1 (T1/T2);
- (c) calculating pixel values of said reference image parts r1

  and r2 from peripheral pixels at positions corresponding to said

  first and second motion vectors MV1 and MV2, wherein said reference

  images R1 and R2 are previous to said input image in a time

  sequence; and
- (d) calculating, motion compensated pixel values of said input image from said calculated pixel values of said reference image parts r1 and r2 to determine said motion compensation.
- 7. (Previously Presented) A method for determining a motion-compensated image, said method comprising the steps of:
- (a) providing a first motion vector MV1 between the motioncompensated image and a reference image part r1 of one reference
  image R1 of a plurality of reference images at a second set time
  interval T2 between said motion compensated image and said one
  reference image R1;
- (b) calculating a second motion vector MV2 between the motioncompensated image and a reference image part r2 of another
  reference image R2 of said plurality of reference images at a first
  set time interval T1 between said motion compensated image and said

another reference image R2, said second motion vector MV2 being parallel to said first motion vector MV1 and having a magnitude satisfying the relation MV2=MV1·(T1/T2);

- (c) calculating pixel values of said reference image parts r1

  and r2 from peripheral pixels at positions corresponding to said

  first and second motion vectors MV1 and MV2, wherein said reference

  images R1 and R2 are previous to said motion-compensated image in

  a time sequence; and
- (d) calculating motion-compensated pixel values from said calculated pixel values of said reference image parts r1 and r2 to determine said motion-compensated image.
- 8. (Previously presented) An apparatus for determining motion compensation for an input image, said apparatus comprising:
- (a) means for providing a first motion vector MV1 between the input image and a reference image part r1 of one reference image R1 of a plurality of reference images at a second set time interval T2 between said input image and said one reference image R1;
- (b) means for calculating a second motion vector MV2 between the input image and a reference image part r2 of another reference image R2 of said plurality of reference images at a first set time interval T1 between said input image and said another reference

- image R2, said second motion vector MV2 being parallel to said first motion vector MV1 and having a magnitude satisfying the relation MV2=MV1·(T1/T2);
- (c) means for calculating pixel values of said reference image parts r1 and r2 from peripheral pixels at positions corresponding to said first and second motion vectors MV1 and MV2, wherein said reference images R1 and R2 are previous to said input image in a time sequence; and
- (d) means for calculating motion-compensated pixel values of said input image from said calculated pixel values of said reference image parts r1 and r2 to determine said motion compensation.
- 9. (Previously Presented) An apparatus for determining a motion-compensated image, said apparatus comprising:
- (a) means for providing a first motion vector MV1 between the motion-compensated image and a reference image part r1 of one reference image R1 of a plurality of reference images at a second set time interval T2 between said motion compensated image and said one reference image R1;
- (b) means for calculating a second motion vector MV2 between the motion-compensated image and a reference image part r2 of

another reference image R2 of said plurality of reference images at a first set time interval T1 between said motion compensated image and said another reference image R2, said second motion vector MV2 being parallel to said first motion vector MV1 and having a magnitude satisfying the relation MV2=MV1·(T1/T2);

- (c) means for calculating pixel values of said reference image parts r1 and r2 from peripheral pixels at positions corresponding to said first and second motion vectors MV1 and MV2, wherein said reference images R1 and R2 are previous to said motion-compensated image in a time sequence; and
- (d) means for calculating motion-compensated pixel values from said calculated pixel values of said reference image parts r1 and r2 to determine said motion-compensated image.